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10/3/01

**Tetra Tech EM Inc.**

200 E. Randolph Drive, Suite 4700 ♦ Chicago, IL 60601 ♦ (312) 856-8700 ♦ FAX (312) 938-0118

October 3, 2001


Ms. Anita Boseman
On-Scene Coordinator
Emergency Response Branch
U.S. Environmental Protection Agency Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3590

Subject: Letter Report
Former W.R. Grace & Company Facility
West Chicago, Dupage County, Illinois
Technical Direction Document No. S05-0108-026
Tetra Tech Contract No. 68-W-00-129

Dear Ms. Boseman:

The Tetra Tech EM Inc. Superfund Technical Assessment and Response Team (START) is submitting the enclosed letter report for the Former W.R. Grace & Company (now occupied by Royal Corinthian) site in West Chicago, Illinois. If you have any questions or comments about the report or need additional copies, please contact me at (312) 856-8793 or Thomas Kouris at (312) 946-6431.

Sincerely,


Kristin Knoll
Project Manager

Enclosure

cc: Lorraine Kosik, START Program Officer
Thomas Kouris, START Program Manager

LETTER REPORT
FORMER W.R. GRACE & COMPANY FACILITY
WEST CHICAGO, DUPAGE COUNTY, ILLINOIS

Prepared for:

U.S. ENVIRONMENTAL PROTECTION AGENCY
Region 5 Office of Superfund
77 West Jackson Boulevard
Chicago, IL 60604

TDD No.:	S05-0108-026
Date Prepared:	October 3, 2001
Contract No.:	68-W-00-129
Prepared by:	Tetra Tech EM Inc.
START Project Manager:	Kristin Knoll
Telephone No.:	(312) 856-8793
U.S. EPA On-Scene Coordinator:	Anita Boseman
Telephone No.:	(312) 266-6941

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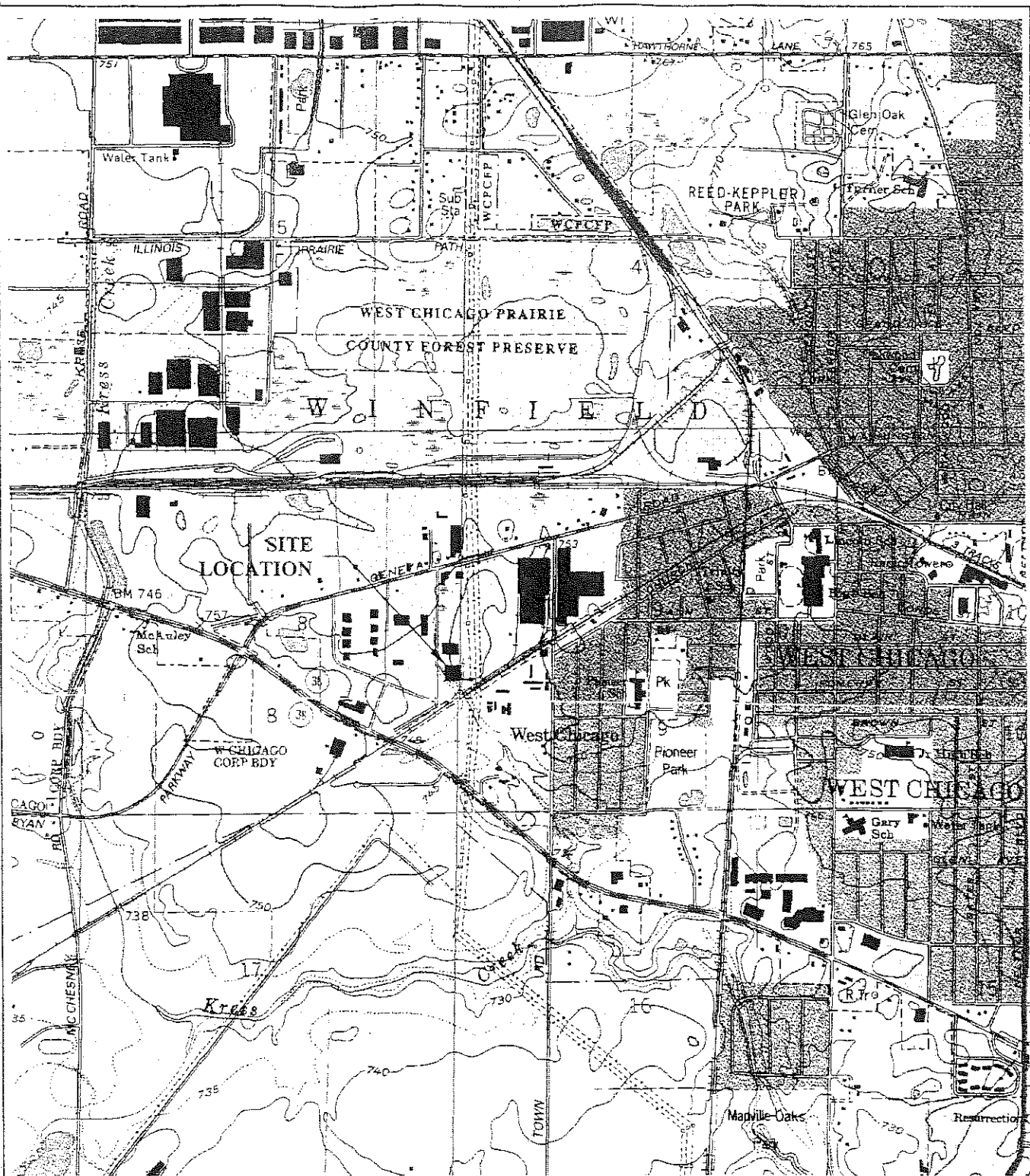
1.0 INTRODUCTION

The Tetra Tech EM Inc. Superfund Technical Assessment and Response Team (START) has prepared this letter report in accordance with the requirements of Technical Direction Document (TDD) No. S05-0108-026. The scope of this TDD consisted of providing technical assistance to the United States Environmental Protection Agency (U.S. EPA) to identify if asbestos-containing material (ACM) exists in the soil at the former W.R. Grace & Company Facility (Grace) site in West Chicago, DuPage County, Illinois. START was tasked to conduct soil sampling, procure analytical services for the samples, document on-site activities with written logbook notes, and prepare a letter report. This letter report discusses the site background, sampling activities, and sampling results. Appendix A of this report provides a photographic log of sampling activities. Appendix B provides a copy of the analytical results.

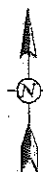
2.0 BACKGROUND

The former Grace facility is located at 603 Fenton Lane in West Chicago, DuPage County, Illinois (see Figure 1). The site covers about 6.4 acres and is located in a mixed industrial and commercial park. The facility consists of one large industrial building and has a railroad spur running along the eastern boundary of the property. The property is secure and surrounded by a chain-linked fence and most of the operational areas, including the parking lot and current loading/unloading areas, are paved. The facility is currently owned by Royal Corinthian, who completed all operations inside the warehouse building. Information was not available to START as to the extent of time Grace owned and operated the facility. Based upon information provided to START by the U.S. EPA, the Grace facility formerly conducted vermiculite handling activities, which may have included asbestos containing materials (ACM). Material may have been shipped to the site by truck and railcar for transfer into the warehouse building.

In 1998, Royal Corinthian acquired the property. According to Royal Corinthian personnel, the facility was vacant for about six months prior to them beginning operations at the site. The facility currently manufactures columns and railing systems out of cultured marble materials. Since acquiring the facility, Royal Corinthian has only made improvements or renovations to the interior of the warehouse.



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SCALE IN FEET



FORMER W.R. GRACE FACILITY SITE
WEST CHICAGO, DUPAGE COUNTY,
ILLINOIS
TDD NO. S05-0108-026

FIGURE 1
SITE LOCATION MAP

PREPARED FOR:

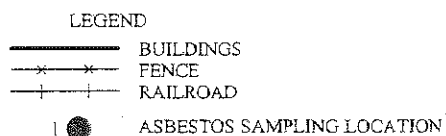


BY:



Tetra Tech Inc.

SOURCE: MODIFIED FROM USGS, WEST CHICAGO AND
NAPERVILLE, ILLINOIS QUADRANGLES, 1993.



FORMER W.R. GRACE FACILITY SITE
WEST CHICAGO, DUPAGE COUNTY,
ILLINOIS
TDD NO. S05-0108-026

FIGURE 2
ASBESTOS SURVEY
SAMPLING LOCATIONS

PREPARED FOR:

BY:



Yatra Tech Ed Inc.

3.0 SAMPLING ACTIVITIES

Because of the potential of tremolite asbestos being present in the vermiculite ore previously transferred at the site, the U.S. EPA contacted START to conduct sampling activities at the facility on August 30, 2001. START member Ms. Kristin Knoll, a certified asbestos inspector, conducted the survey. Ms. Knoll was accompanied by Ms. Anita Boseman, the U.S. EPA On-Scene Coordinator, and Mr. Attila Suto, the Royal Corinthian facility manager.

Six homogenous soil samples, including one duplicate sample, were collected in five separate areas of the site (see Figure 2). Sampling locations were chosen based on the likelihood that asbestos was present from the previous vermiculite handling activities. These locations were expected to be situated near exterior vermiculite loading and unloading areas. In addition, one sample was collected from northern portion of the facility for a background comparison to the other samples. All samples were composited by mixing the soil in a START dedicated bowl, which was rinsed between samples with distilled water to prevent cross-contamination. Samples were placed in plastic bags, and the bags were sealed to avoid cross contamination and labeled with the site name, date, time, and location. Photographs of each sampling location are provided in Appendix A.

4.0 SAMPLING RESULTS

The samples were submitted to Reservoirs Environmental Services, Inc., under analytical TDD number S05-0108-027, to determine the presence, type, and approximate percentage of asbestos in the samples. The analytical method was polarized light microscopy and dispersion staining in accordance with U.S. EPA Test Method 600/R-93/116. Laboratory analytical results are provided in Appendix B. Table 1 summarizes the sampling results. Asbestos was not detected in any of the soil samples.

SOIL SAMPLING RESULTS
TABLE 1

Sample No.	Sampling Location	Composition
1 and 1D	Southeastern railroad spur	100% Nonfibrous
2	Eastern railroad spur	100% Nonfibrous
3	Southern loading dock area	100% Nonfibrous
4	Eastern loading dock area	100% Nonfibrous
5	Background sample-northern portion of property	100% Nonfibrous

5.0 CONCLUSIONS

On August 30, 2001, START mobilized to the former Grace site at 603 Fenton Lane in West Chicago, DuPage County, Illinois. START was tasked by U.S. EPA to perform soil sampling for ACM, document sampling activities, procure analytical services for the samples, and provide a letter report.

Six soil samples, including one duplicate and one background, were collected from locations based upon the likelihood that ACM was present from previous vermiculite handling activities. START submitted its soil samples to Reservoirs Environmental Services, Inc. to determine the presence, type, and approximate percentage of asbestos in the samples. Asbestos was not detected in any of the soil samples.

START does not anticipate any further activities associated with the former Grace site, now occupied by Royal Corinthian, under this TDD.

APPENDIX A

PHOTOGRAPHIC LOG

(Five Pages)



Photograph No.: 1

Orientation: East

TDD Number: S05-0108-026

Date: 30 Aug 01

Location: Former W.R. Grace & Company Facility

Subject: South side parking lot and loading dock area



Photograph No.: 2

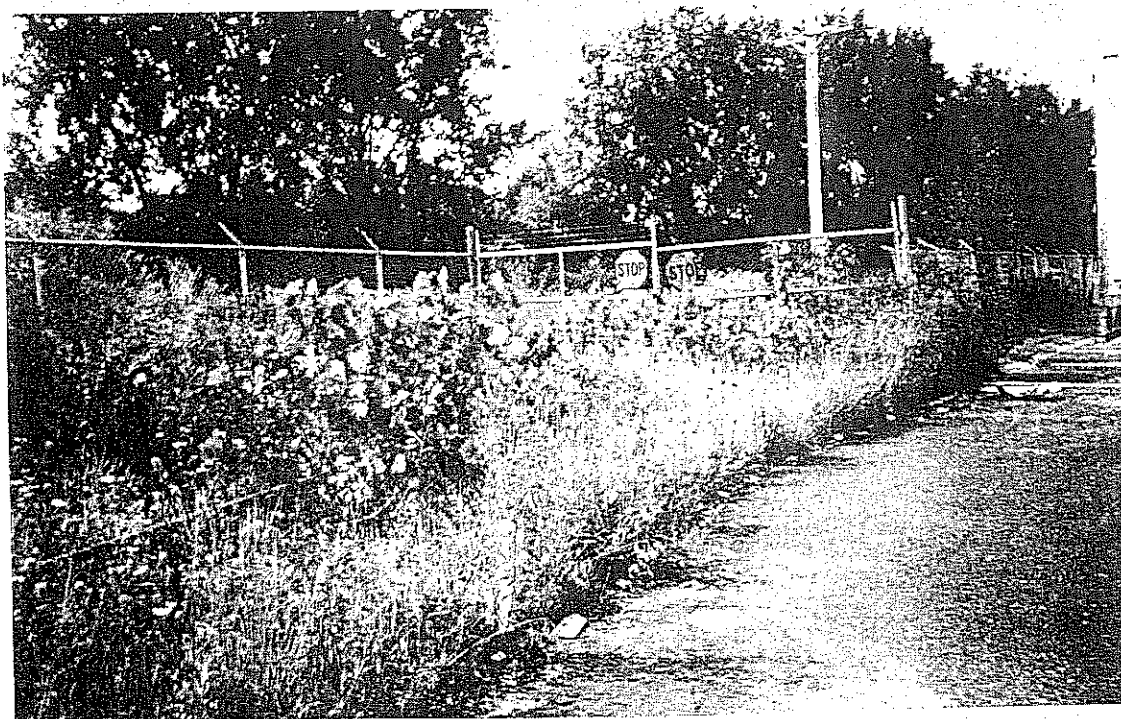
Orientation: South

TDD Number: S05-0108-026

Date: 30 Aug 01

Location: Former W.R. Grace & Company Facility

Subject: Eastern perimeter of facility



Photograph No.: 3

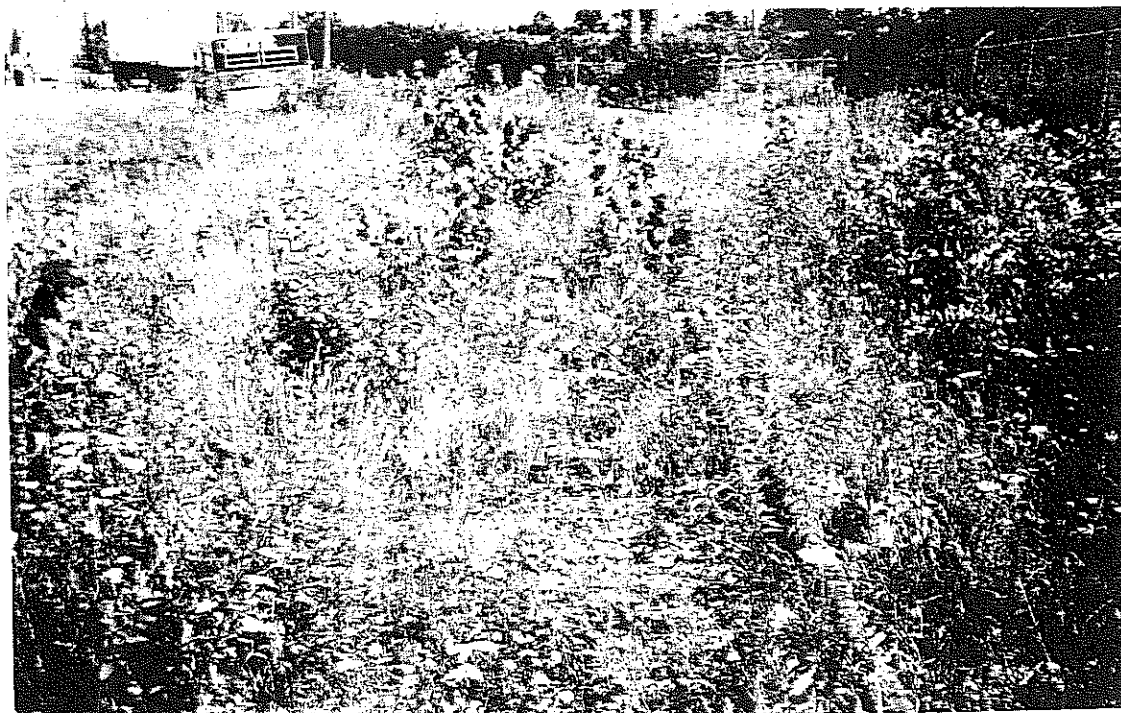
Orientation: South

TDD Number: S05-0108-026

Date: 30 Aug 01

Location: Former W.R. Grace & Company Facility

Subject: Fenced and gated area where trains formerly accessed facility by rail



Photograph No.: 4

Orientation: Northeast

TDD Number: S05-0108-026

Date: 30 Aug 01

Location: Former W.R. Grace & Company Facility

Subject: Sample Area #1-southeast railroad spur



Photograph No.: 5

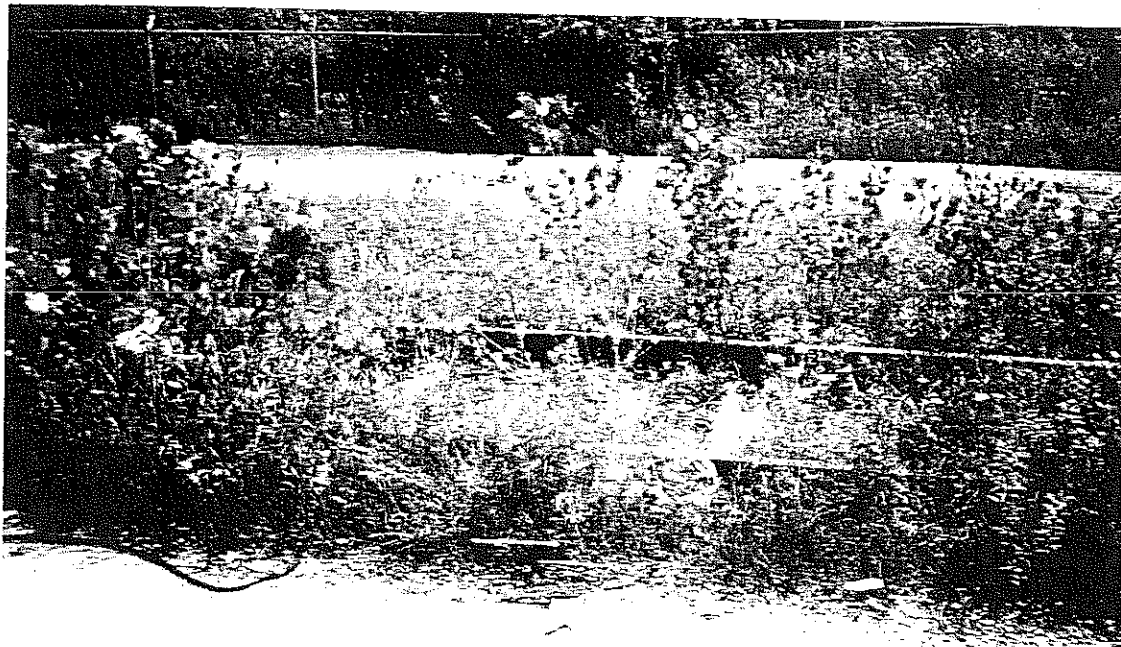
Orientation: Northeast

TDD Number: S05-0108-026

Date: 30 Aug 01

Location: Former W.R. Grace & Company Facility

Subject: Parking lot and general area of Sample Area #2



Photograph No.: 6

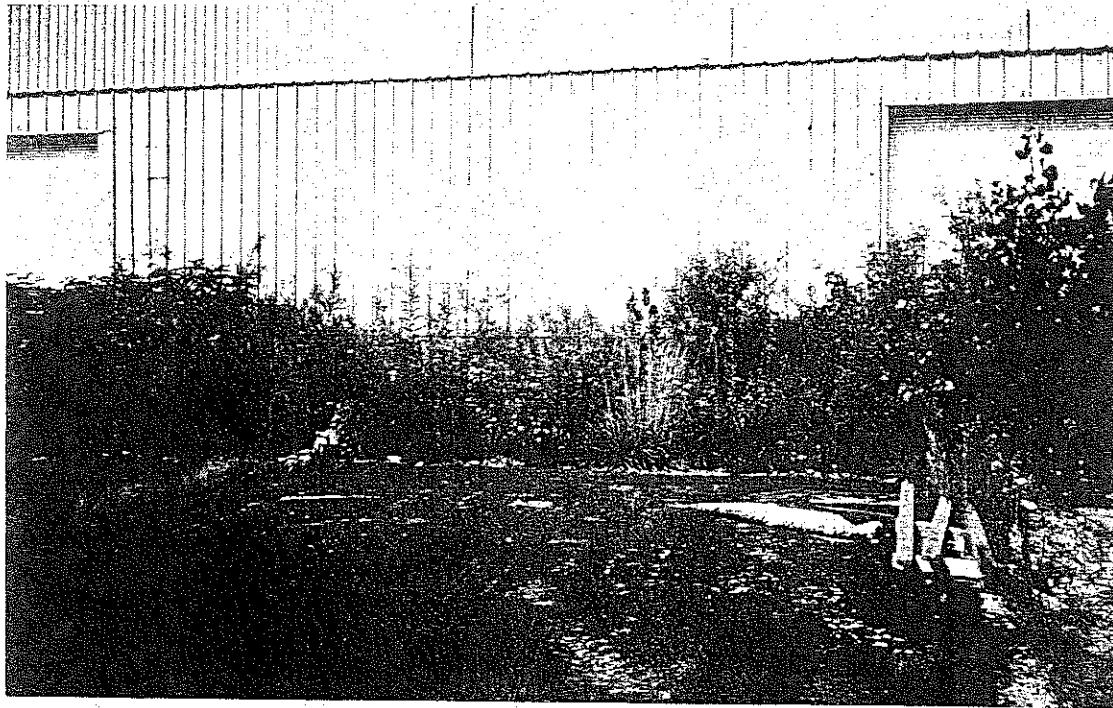
Orientation: East

TDD Number: S05-0108-026

Date: 30 Aug 01

Location: Former W.R. Grace & Company Facility

Subject: Sample Area #2-eastern railroad spur



Photograph No.: 7

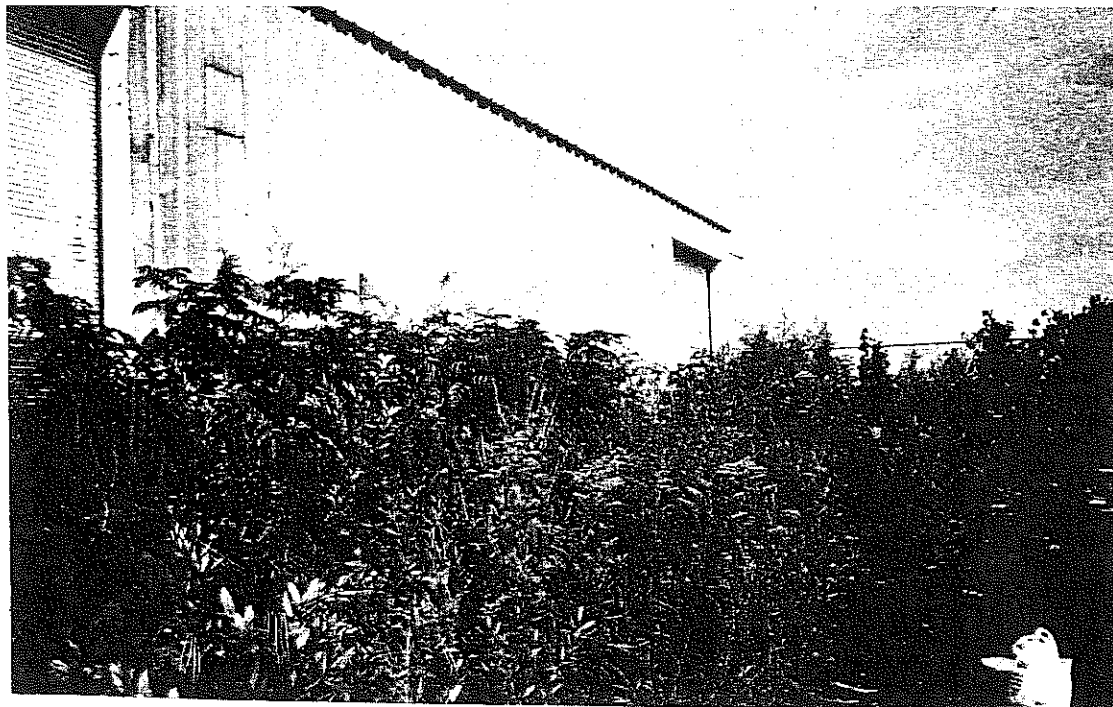
Orientation: North

TDD Number: S05-0108-026

Date: 30 Aug 01

Location: Former W.R. Grace & Company Facility

Subject: Sample Area #3-southern loading dock area



Photograph No.: 8

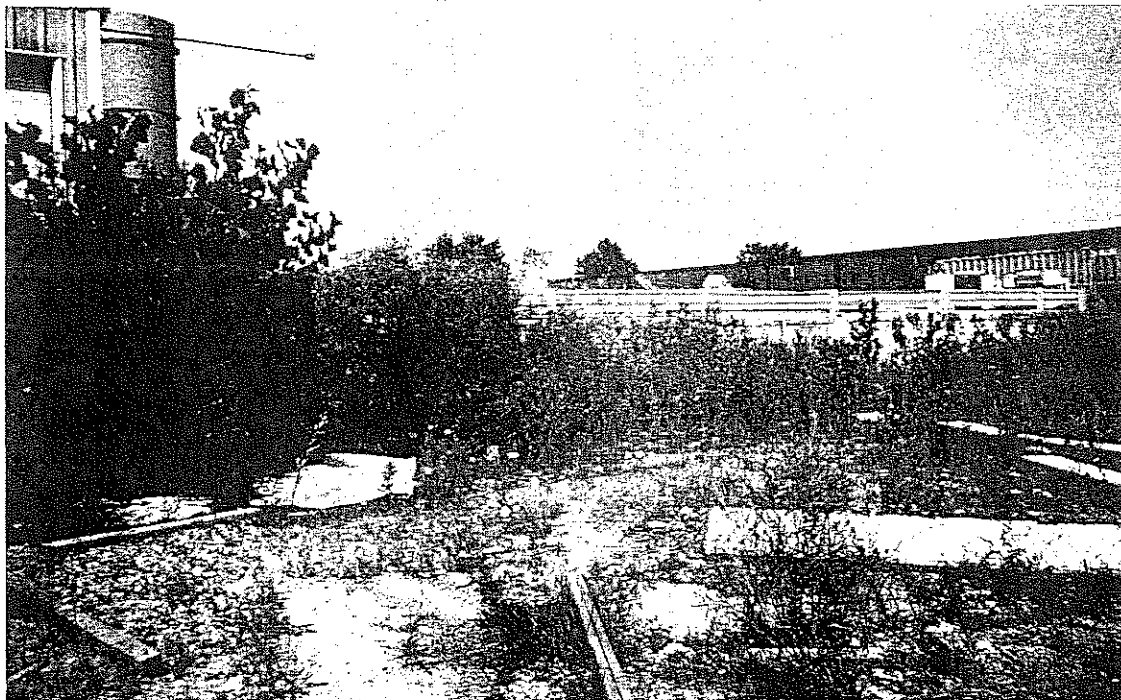
Orientation: Northwest

TDD Number: S05-0108-026

Date: 30 Aug 01

Location: Former W.R. Grace & Company Facility

Subject: Sample Area #4-former eastern loading dock area



Photograph No.: 9

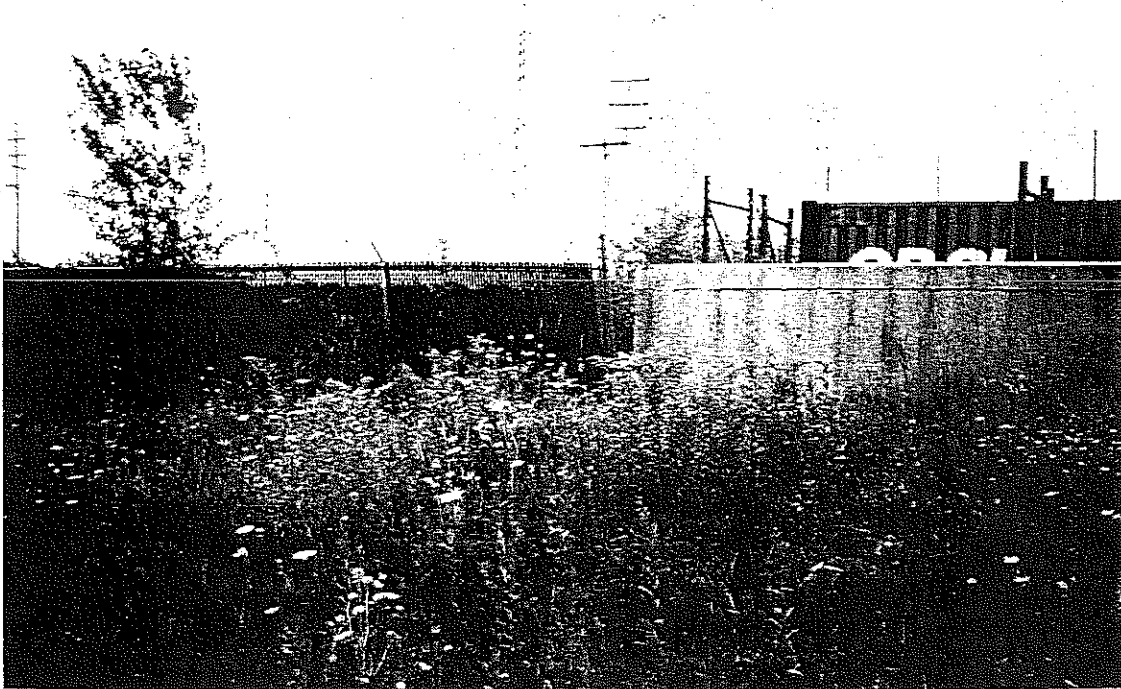
Orientation: Northwest

TDD Number: S05-0108-026

Date: 30 Aug 01

Location: Former W.R. Grace & Company Facility

Subject: Elevated concrete platform on northern portion of property



Photograph No.: 10

Orientation: South

TDD Number: S05-0108-026

Date: 30 Aug 01

Location: Former W.R. Grace & Company Facility

Subject: Sample Area #5-background sample obtained from northern portion of property

APPENDIX B

LABORATORY ANALYTICAL RESULTS

(Three Pages)

RESERVOIRS ENVIRONMENTAL SERVICES, INC.

2059 BRYANT STREET

DENVER, COLORADO 80211

866-RESI-ENV (866) 737-4368

(303) 964-1986

FAX (303) 477-4275

September 5, 2001

Project Description:

RES 79628-1

505-0108-027

Former WR Grace & Company


Kristin Knoll
Tetra Tech EM, Inc
200 E. Randolph Dr. Ste 4700
Chicago, IL 60601

Dear Ms. Kristin:

Reservoirs Environmental Services, Inc. (RES, Inc.) has analyzed bulk material samples by Polarized Light Microscopy (PLM) for asbestos content as per your request and results were telephoned to your office. PLM was used to analyze the bulk materials in compliance with guidelines established by the USEPA (EPA/600/R-93/116). The Analytical Results are presented in Table I.

RES 79628-1 is the job number assigned to this study. This report is considered highly confidential and the sole property of the customer. RES, Inc. will not discuss any part of this study with personnel other than those of the client. The results described in this report only apply to the samples analyzed. Samples will be disposed of after sixty days unless longer storage is requested. The US EPA guideline was developed for use on friable building materials and recommends the use of additional analyses for non-friable materials such as floor tiles. RES, Inc. recommends additional analyses to firm negative PLM results on floor tiles. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. If you should have any questions about this report, please feel free to call me at 964-1986.

Sincerely,


Jeanne Spencer Orr
President

Analyst(s):

Paul D. LoScalzo

Wenlong Liu

Paul F. Knappe

Rich Wegrzyn

NVLAP

LAB NO. 101896

ASBESTOS - TEM, PCM, PLM, SEM
METALS - AA, FLAME/FURNACE
AIRBORNE PARTICULATES
SPECIAL PARTICLE ANALYSIS

RESERVOIRS ENVIRONMENTAL SERVICES, INC.

Page 1 of 1

NVLAP Accredited Laboratory # 101896

TDH Licensed Laboratory # 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 79628-1
 Client: Tetra Tech EM, Inc
 Client Project Number / P.O.: 505-0108-027
 Client Project Description: Former WR Grace & Company
 Date Samples Received: September 5, 2001
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 3-5 Day

Analyst: PDL

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibers Components (%)	Non- Fibrous Components (%)
					Mineral	Visual Estimate (%)		
1	EM 561614	A	Brown micaceous soil	100	Trem-Act.	TR	10	90
1D	EM 561615	A	Brown micaceous soil	100	Trem-Act.	TR	10	90
2	EM 561616	A	Brown micaceous soil	100	Trem-Act.	TR	10	90
3	EM 561617	A	Brown micaceous soil	100	Trem-Act.	TR	10	90
4	EM 561618	A	Brown micaceous soil	100	Trem-Act.	TR	10	90
5	EM 561619	A	Brown micaceous soil	100	Trem-Act.	TR	15	85

ND = None Detected

TR = Trace, < 1% Visual Estimate

Trem-Act = Tremolite-Actinolite

[Signature]
Data QA

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